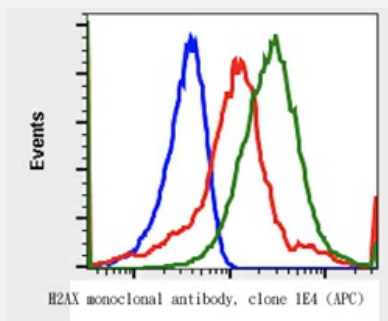


# H2AX (phospho S139) monoclonal antibody, clone 1E4 (APC)

Catalog # MAB23361      Size 100 Reactions

## Applications



### Flow Cytometry

Flow cytometric analysis of 293T cells with H2AX (phospho Ser139) monoclonal antibody, clone 1E4 (APC)(Cat # MAB23361). Unstained as negative control (blue) or untreated (red) or treated with UV and TPA (green).

## Specification

|                            |   |
|----------------------------|---|
| <b>Product Description</b> | Rabbit monoclonal antibody raised against synthetic phosphopeptide of human H2AX.                         |
| <b>Immunogen</b>           | A synthetic phospho-peptide corresponding to residues surrounding Ser139 of human phospho histone H2A.X   |
| <b>Host</b>                | Rabbit  |
| <b>Reactivity</b>          | Human   |
| <b>Form</b>                | Liquid  |
| <b>Conjugation</b>         | APC   |
| <b>Isotype</b>             | IgG1, kappa   |
| <b>Recommend Usage</b>     | Flow Cytometry (5 uL/million cells)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS (0.09% NaN <sub>3</sub> , 0.2% BSA)  |
| <b>Storage Instruction</b> | Store at 4°C. Do not freeze.  |

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — H2AFX

|               |                      |
|---------------|----------------------|
| Entrez GeneID | <a href="#">3014</a> |
|---------------|----------------------|

|                    |                        |
|--------------------|------------------------|
| Protein Accession# | <a href="#">P16104</a> |
|--------------------|------------------------|

|           |       |
|-----------|-------|
| Gene Name | H2AFX |
|-----------|-------|

|            |                    |
|------------|--------------------|
| Gene Alias | H2A.X, H2A/X, H2AX |
|------------|--------------------|

|                  |                              |
|------------------|------------------------------|
| Gene Description | H2A histone family, member X |
|------------------|------------------------------|

|         |                        |
|---------|------------------------|
| Omim ID | <a href="#">601772</a> |
|---------|------------------------|

|               |                           |
|---------------|---------------------------|
| Gene Ontology | <a href="#">Hyperlink</a> |
|---------------|---------------------------|

|              |   |
|--------------|---|
| Gene Summary | Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. [provided by RefSeq] |
|--------------|---|

|                    |              |
|--------------------|--------------|
| Other Designations | H2AX histone |
|--------------------|--------------|

## Pathway

- [Systemic lupus erythematosus](#)

## Disease

- [Azoospermia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Oligospermia](#)
- [Ovarian cancer](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Urinary Bladder Neoplasms](#)